

Title (en)

PLASTIC SCAFFOLDING BOARD, METHOD FOR MAKING IT AND DEVICE FOR CARRYING OUT THE METHOD

Publication

EP 0268720 B1 19910123 (DE)

Application

EP 86810534 A 19861124

Priority

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Abstract (en)

[origin: EP0268720A1] The scaffolding board (21) is formed from a thermoset, light- hardened composite material and consists, in one embodiment, of a box- shaped upper part (22) provided with ribbing (24), a box-shaped intermediate part (20) provided with longitudinal ribs (30) and a lower, likewise box-shaped closure (28), all three parts being bonded to one another. To manufacture the individual parts of the scaffolding board, a sheet of plastic is spread over an air-permeable mould bottom part, subjected to compressed air and the domed material is simultaneously heated and stretched. Subsequently, the mould bottom part is subjected to a vacuum and the heated material is sucked in and deep-drawn in order to mould to the shape of the inner space. Subsequently, the moulded piece is irradiated by a UV light source and thereby hardened. Finally, compressed air is injected in order to remove the hardened part. The device required for this has a porous mould bottom part (1) and is provided with compressed air and vacuum connections (8,9), these connections leading into an annular, air-permeable line and the entire mould bottom part (1), with the exception of the inner space (3), being surrounded by an airtight envelope (15). Using such a method and device, it is possible to manufacture very economically scaffolding boards which are substantially lighter than conventional boards of wood or metal and additionally satisfy all regulations regarding stability and breaking strength. <IMAGE>

IPC 1-7

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IPC 8 full level

E04G 5/08 (2006.01); **B29C 51/36** (2006.01); **E04G 1/15** (2006.01)

CPC (source: EP US)

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